

UNITED STATES ARMY ENVIRONMENTAL HYGIENE AGENCY

ABERDEEN PROVING GROUND, MD 21010-5422

SUGGESTED PROCEDURES FOR RECORDING NOISE COMPLAINTS AT ARMY INSTALLATIONS

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DEPARTMENT OF THE ARMY

U.S. ARMY ENVIRONMENTAL HYGIENE AGENCY ABERDEEN PROVING GROUND, MARYLAND 21010

HSE-OB/WP Technical Guide

1 April 1980

SUGGESTED PROCEDURES FOR RECORDING NOISE COMPLAINTS AT ARMY INSTALLATIONS

- 1. PURPOSE. AR 200-1, Environmental Protection and Enhancement, directs installations to record and investigate complaints concerning environmental noise. Although many installations follow this directive, few have a systematic method for recording the complaints. Consequently, much valuable information on the sources of annoying environmental noise and the locations from which the noise complaints originate is lost or scattered among various offices. The purpose of this guide is to aid installations in developing a systematic method for recording information and more importantly asking the right questions to obtain more useful information of those citizens who complain about environmental noise. Adherence to the suggested procedures should provide a solid base for environmental personnel to make decisions about the noise environment.
- 2. IMPLEMENTING THIS GUIDE. The heart of this guide is the suggested noise complaint questionnaire (Appendix A), but having a complaint questionnaire is only one step in the total process.
- a. The first step is letting the area residents know that the installation commander is concerned with their environment and wants to hear their complaints. This is essentially a public information effort.
- b. The second step is to make sure that noise complaints are routed to the proper office. US Army Environmental Hygiene Agency (USAEHA) environmental noise teams have found that the lack of standing operating procedures (SOP) for handling noise complaints leads to confusion about the seriousness of specific noise problems and a loss of useful information.
- c. The third step is to make sure that forms, similar to the following samples are locally developed, made available, and that the people responsible for filling them out are well-trained. The suggested questionnaire contained in this guide is designed to cover most noise complaints that will be received by Army installations. The format is intended to aid the interviewer in asking the right questions by following a series of sequential steps. A privacy act statement in the questionaire may be required depending on local policies.
- d. The fourth step is to complete the followup through the appropriate office. This requires good coordination and communication among all involved offices. Appendices B and C contain samples of suggested followup forms intended to aid in locating the source of aircraft noise and blast noise complaints, respectively.
- 3. RETENTION OF RECORDS. Unlike many other types of files, the noise complaint file should be retained for a long period of time. By accumulating data on the response to Army noise over a long period, it will become possible to spot trends and problem areas.

APPENDIX A

NOISE COMPLAINT QUESTIONNAIRE

Instructions: This questionnaire is to be used whenever a person contacts your office concerning environmental noise problems. The form contains a series of steps, each involving questions to be asked of the inquirer, along with directions to be followed for various types of answers. Begin with Step 1. (Always thank the complainant for calling when you end the interview.)

- STEP 1. Question: Are you calling to obtain information or to make a formal complaint? (CIRCLE ANSWER)
 - a. Information
 - b. Complaint

IF a, PROVIDE INFORMATION, TERMINATE INTERVIEW, AND FILE THIS FORM. IF b, GO TO STEP 2.

STEP 2. READ THE FOLLOWING STATEMENT TO THE INQUIRER:

"IN ORDER TO HELP US AVOID FUTURE NOISE DISTURBANCES, WE HAVE DEVELOPED A SERIES OF QUESTIONS DESIGNED TO PINPOINT THE EXACT CAUSE OF YOUR COMPLAINT. I WOULD LIKE TO ASK YOU SEVERAL QUESTIONS."

INSERT PRIVACY ACT STATEMENT HERE.

Question: Are you willing to answer some questions about your complaint? (CIRCLE ANSWER)

- a. Yes
- b. No

IF a, GO TO STEP 3.

IF b, TERMINATE INTERVIEW AND FILE THIS FORM.

SAMPLE OF A NOISE COMPLAINT QUESTIONAIRE

uestion:	What is your name, address, and telephone number?		
uestion:	Where are you located in relation to our post? (CIRCLE ANSWER)		
	North Northeast East Southeast South Southwest West Northwest		
uestion:	When did the annoying noise occur? FILL IN DATE FILL IN TIME		
uestion:	What was making the noise? [CIRCLE ANSWER(S)]		
	Aircraft Explosion Trucks Buses Machinery Motorcycles Other		
	IF AIRCRAFT IS CIRCLED, GO TO STEP 4.A. IF EXPLOSION IS CIRCLED, GO TO STEP 4.B. IF ANYTHING ELSE, CONTINUE.		
uestion:	Is the noise source military or civilian? (CIRCLE ANSWER)		
	Military Civilian		
uestion:	Describe the source of noise (such as large Army truck without adequate muffler).		
uestion:	If a motor vehicle, what was its make? color? other distinguishing features?		

STEP 4.A. FOR AIRCRAFT ONLY.

Question: Where were you when the aircraft flew over? (CIRCLE ANSWER)

Indoors Outdoors

Question: How did the noise affect you? [CIRCLE ANSWER(S)]

Startled me Woke me

Frightened the pet Disturbed livestock Woke a child Rattled the house

Interfered with conversation Interfered with TV/radio

Question: How many times did the disturbance occur? (CIRCLE ANSWER)

Once Twice

3 to 7 times 7 to 15 times More than 16 times

Question: Did you see the plane? (CIRCLE ANSWER)

Yes No

IF YES, GO TO STEP 4.A.1. IF NO, GO TO STEP 4.A.2.

	Which of the following best describes the design of the aircraft (CIRCLE ANSWER)
	Helicopter with one rotor Helicopter with two rotors Helicopter, number of rotors unknown Jet with one engine Jet with two engines Jet with four engines Jet with four engines Jet with unknown number of engines Plane with one propeller Plane with two propellers Plane with four propellers Plane with unknown number of propellers
Question:	What color was the aircraft?
Question:	Did it have a Red Cross or any other marking?
Question:	In what direction was the aircraft flying? (CIRCLE ANSWER) North Northeast East Southeast South Southwest West Northwest In circles

STEP 4.A.2. AUDITORY DESCRIPTION OF AIRCRAFT. What kind of aircraft do you think made the noise? (CIRCLE Question: ANSWER) Small helicopter Large helicopter Small jet Large jet Small propeller-driven plane Large propeller-driven plane Question: What do you think the aircraft was doing? (CIRCLE ANSWER) Landing Taking off Passing by Circling NOW TERMINATE THE INTERVIEW AND GO TO STEP 5.A. STEP 4.8. FOR BLASTS AND EXPLOSIONS ONLY: Question: Where were you when the noise disturbed you? (CIRCLE ANSWER) Indoors Outdoors Question: How did the noise disturb you? [CIRCLE ANSWER(S)] Rattled windows Startled me Woke me Frightened the pet Disturbed livestock Woke a child Shook the house Cracked plaster Broke a window Other Question: How many blasts were disturbing? (CIRCLE ANSWER) 1 2 3 to 7 7 to 15 More than 16

Question:	How closely spaced were these explosions? (CIRCLE ANSWER)
	Close like machine gun Several all at once 5 to 10 minutes apart More than 10 minutes apart
Question:	How long did the disturbance last? (CIRCLE ANSWER)
	Less than 5 minutes 5 to 30 minutes 30 minutes to 1 hour 1 to 2 hours 2 to 4 hours 4 to 8 hours All day All night
Question:	Any other information about the incident:
	ATE THE INTERVIEW AND GO TO STEP 5.B.
STEP 5.A.	ATE THE INTERVIEW AND GO TO STEP 5.B. WEATHER DURING AIRCRAFT NOISE COMPLAINT.
STEP 5.A.	ATE THE INTERVIEW AND GO TO STEP 5.B.
STEP 5.A. CALL THE A FOR A DESC	ATE THE INTERVIEW AND GO TO STEP 5.B. WEATHER DURING AIRCRAFT NOISE COMPLAINT. IR FORCE WEATHER DETACHMENT OR NEAREST WEATHER STATION AT EXT
STEP 5.A. CALL THE A FOR A DESC	WEATHER DURING AIRCRAFT NOISE COMPLAINT. IR FORCE WEATHER DETACHMENT OR NEAREST WEATHER STATION AT EXT RIPTION OF THE WEATHER DURING THE COMPLAINT PERIOD.

	P 5.8. WEATHER (
WHE	THER A RADIOSOND! OYANCE. IF A COM	E BALLOON RUN HAS MPUTER MET MESSAG	OCCURRED WITHIN	AT EXT AND ASK 4 HOURS OF THE REPORTED IS AVAILABLE, FILL OUT TERS:
il: 30 53	ALTITUDE (meters)	TEMPERATURE (1/10°K)	WIND SPEED (knots)	WIND DIRECTION (10's mils)
	<pre> FOR A DESCRIP'</pre>	TION OF THE WEATH		WEATHER STATION AT EXT
	Steady wind of Clear with laye Cold, hazy or f Day following a occurred betw	5-10 mph with guring of smoke or oggy morning. day when large een day or night.	sts in direction o fog. extremes of temper	f complainant.
XER CON	OX A COPY OF THI	S FORM, FILE ORIO	GINAL, AND SEND XE B.	ROXED COPY TO RANGE

Local Army Airfield

APPENDIX B

FOLLOWUP FORM A*

	THE	DEPARTMENT OF THE ARMY	
	10 all 10	ARMY ENVIRONMENTAL HYGIENE AGENCY	
	ABERDE	EN PROVING GROUND, MARYLAND 21010	
.			
	HSE-OB/WP	1	April 1980
			A\$111 1360
	SUBJECT: Aircraft Noise Co	mplaint Followup	
· =			
	Commander		
	Aberdeen Proving Ground ATTN: STEAP-AB (Army Airf	a1 d1	
=	Aberdeen Proving Ground, M		
	,,		=
	Inclosed is a copy of a co	plaint received concerning aircraft noise	o Pleaco
	review the record of compla	int, answer the following quartions, and	return
	the information to this of	ice. The information may be of assistant	ce in
	future planning to avoid no	ise complaints through effective land-use	e.
_	a. Were any Army airco	aft flying near the complainant's location	ne during
	the complaint period?	es (If yes, go to b), No (If no, go t	to d)
	b. Who was flying the National Guard	Army aircraft? Active duty, Reserv	ve,
	Nacional duard		_
	c. What type of Army a	ircraft was it?	
	U-8,	CH-54 OH-6	
	u-21 0-2	AH-1G	=
	— _{CH-47}		
	0v-1		
	d If this was not an	Burner of manufile is the bound of it is not be	
	believe was actually respon	Army aircraft, what type of aircraft do y sible for the complaint (based on informa	/ou
	provided in Steps 4.A.1 and	4.A.Z attached)?	
	e. Was it flying a sta	ndard route? Yes No	=
=		- -	
	f. What was its route	and altitude (AGL) at the time of the com	molaint?
			
			
	FOR THE COMMANDER:		
			=
		,	=
		•	=
	1 Incl	MARIAN C. AVERY	Prop
	as	MAJ. MSC	Offi
		Adjutant	

 * This suggested format is intended to elicit relevant information from the airfield as to the probable cause of the complaint.

SAMPLE OF AN AIRCRAFT NOISE COMPLAINT FOLLOWUP

Range Control Officer

APPENDIX C

FOLLOWUP FORM B*

		OF THE ARMY ENTAL MYGIERE AGENCY
		OUND. MARYLAND 21010
		
	_	
H2E-08/W	P	1 April 1980
SUBJECT:	Blast Noise Complaint Follows	p
Commande		
	Proving Ground TEAP-MT (Range Control)	
	Proving Ground, MD 21005	
1 Incl	osed is a convent a complaint m	eceived concerning blast noise. Based
		ance, and the number of disturbing
		possible for your office to identify
the prot	able cause of the complaint.	
		omplainant and the location of various
	tivitles at the time of the com owing list, and return the info	plaint, check all applicable items in
	_	
ā.		within 1500 meters of the complainant?
	Firing of 81-mm mortar Firing of 4-2-inch mortar	1
	Firing of 105-mm howitzer	
	Impact of HE round from 81-m 1-pound charge of explosive.	
	1-bodie cuarge of explosive,	un espaped
b.	Did any of the following occur	within 2000 meters of the complainant?
	Firing a recoilless rifle Impact of HE round from a 10	5-mm howitzer
	5-pound charge of explosive,	
	40-pound cratering charge	
c.		within 3000 meters of the complainant?
	Firing of 175-mm gun Firing of TOW or DRAGON	
	Firing of 105-mm main tank g	un .
	Firing of M114, M44 or M123	models of 155-mm howitzer
	Impact of HE round from 4.2-	Inch mortar
d.	Did any of the following occur	within 4500 meters of the complainant?
	Firing of 8-inch howitzer or	gun
	Firing of 152-mm gun Impact of HE warhead from TO	M or DRAGON
e.	Did any of the following occur Firing of the M198 or M109 a	within 8000 meters of the complainant?
	Impact of HE rounds from the	
•	Did any of the following com-	within 15 bilametaus of the
complati		
		8-inch howitzer or 175-mm gun
	40 pounds or more of explosi	ve, uncamped
		e sources checked above actually
respons	ble for the complaint?	
	Which ones?	
	If not, what do you think was t	the probable cause of the complaint?
		
FUK THE	COMMANDER:	
l Incl		MARIAN C. AVERY
a 5	M	MJ, MSC .
a >	-	Mojutant
12	•	

 $^{^\}star$ This suggested format is intended to elicit relevant information from Range Control as to the probable cause of the blast noise complaint.